

Atty. Docket No. URE02 P-301B
Express Mail No. EL530114725US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Thomas M. Kurth

For : PLASTIC MATERIAL

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR §1.97(b)

Pursuant to 37 CFR §§1.56 and 1.97(b), Applicant brings to the attention of the Examiner the documents listed on the attached Form PTO-1449. This Information Disclosure Statement is being filed simultaneously with the above-referenced application.

Copies of the listed documents were previously submitted in prior applications, Serial No. 09/646,356, now U.S. Patent 6,465,569 and Serial No. 10/253,252, upon which Applicant relies for the benefits provided in 35 U.S.C. §120. Applicant respectfully requests that the Examiner consider the listed documents and evidence that consideration by making appropriate notations on the attached form. Enclosed, however, are copies of the foreign patent publications and relevant journal articles.

Applicant also believes that based upon the English language abstract, WO 97/07150 relates to processes and products which have been obtained with a natural component which is oil of cashew-nut shell and di and/or polyisocyanates. Since the oil is comprised of a mixture of a biphenol and a fatty acid, both having a benzene ring with phenol group and side chains with one to three double bonds, the isocyanates may react three different levels: a) the COOH of the acid; b) the phenolic OH; c) the double bond of the chains. Applicant further believes, based upon the English abstract, that WO 98/07777 relates to the use of cashew nut husk oil in rubber and duroplastics recycling. According to the abstract, it describes how this natural substance can eat into or even dissolve the vulcanized rubber car tires and be involved

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based upon the English abstract, that WO 98/07777 relates to the use of cashew nut husk oil in rubber and duroplastics recycling. According to the abstract, it describes how this natural substance can eat into or even dissolve the vulcanized rubber car tires and be involved in their re-vulcanization.

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that each or all of the listed documents are material or constitute "prior art." If it should be determined that any of the listed documents do not constitute "prior art" under United States law, Applicant reserve the right to present to the Office the relevant facts and law regarding the appropriate status of such documents.

Applicant further reserve the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

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If there is any fee due in connection with the filing of this Statement, please charge the fee to our Deposit Account No. 16-2463.

Respectfully submitted,

THOMAS M. KURTH

By: PRICE, HENEVELD, COOPER,
DEWITT & LITTON

8/4/2003
Date

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FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (Rev. 2-32) PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. URE02 P-301B	SERIAL NO.
	APPLICANTS THOMAS M. KURTH ET AL.	
	FILING DATE	GROUP

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPRO- PRIATE
		5	4	4	0	0	2	7	08/08/95	Hasenhuettl			
		5	3	9	7	8	1	0	03/14/95	Ozaki et al.			
		5	3	2	4	8	4	6	06/28/94	Hirshman et al.			
		5	2	7	4	1	4	5	12/28/93	Gubelmann			
		5	2	3	1	1	9	9	07/27/93	Willemse			
		5	2	2	5	0	4	9	07/06/93	Barmantlo et al.			
		5	1	9	4	2	8	1	03/16/93	Johnston et al.			
		5	1	2	6	4	9	4	06/30/92	Gilheany et al.			
		5	1	0	6	9	6	7	04/21/92	Mazur			
		5	1	0	6	8	8	4	04/21/92	Turner et al.			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLA- TION	
													Y	N

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER INITIAL		
		Handbook of Soy Oil Processing and Utilization, entitled "Composition of Soybean Oil," Chap. 2, E. H. Pryde, pp 13-19.

EXAMINER	DATE CONSIDERED
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPRO- PRIATE
	5 1 0 6 8 7 4	04/21/92	Porter et al.			
	5 1 0 4 9 1 0	04/14/92	Turner et al.			
	5 1 0 4 6 9 3	04/14/92	Jenkines			
	5 0 7 1 9 7 5	12/10/91	Ver Der Plank et al.			
	5 0 4 3 4 3 8	08/27/91	Buter			
	5 0 3 2 6 2 2	07/16/91	Herrington et al.			
	5 0 2 1 2 5 6	06/04/91	Guffey et al.			
	5 0 1 0 1 1 7	04/23/91	Herrington et al.			
	4 9 8 0 3 8 8	12/25/90	Herrington et al.			
	4 9 7 3 6 8 1	11/27/90	Watanabe			

FOREIGN PATENT DOCUMENTS

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						Y N

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER INITIAL		
		"Structure and Properties of Polyurethanes Based on Halogenated and Nonhalogenated Soy-Polyols," Zoran S. Petrovic, Andewa Guo, and Wei Zhang, Journal of Polymer Science: Part A: Polymer Chemistry, Vol 38, 4062-4069.

EXAMINER	DATE CONSIDERED
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

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		4 9 6 8 7 9 1	11/06/90	Van Der Plank			
		4 9 5 2 6 8 7	08/28/90	Bodor et al.			
		4 9 4 3 6 2 6	07/24/90	McGrath et al.			
		4 9 4 2 2 7 8	07/17/90	Sheinberg et al.			
		4 9 3 1 5 5 2	06/05/90	Gibson et al.			
		4 9 1 3 9 5 8	04/03/90	Skaggs et al.			
		4 8 6 1 8 0 3	08/29/89	Turner			
		4 8 5 3 2 8 0	08/01/89	Poteet			
		4 8 5 3 0 5 4	08/01/89	Turner et al.			
		4 8 4 3 1 3 8	06/27/89	Tazewell et al.			
		4 8 2 5 0 0 4	04/25/89	Rutzen et al.			
		4 8 0 6 6 3 2	02/21/89	McCoy et al.			

FOREIGN PATENT DOCUMENTS

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							Y N

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER INITIAL		
		"Rigid Polyurethane Foams Based on Soybean Oil," Andrew Guo, Ivan Javni, and Zoran Petrovic, Journal of Applied Polymer Science, Vol. 77, pp 467-473.

EXAMINER	DATE CONSIDERED
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		4 7 9 8 8 4 9	01/17/89	Thomas et al.			
		4 7 4 5 1 3 7	05/17/88	Thomas et al.			
		4 7 4 5 1 3 6	05/17/88	Thomas et al.			
		4 7 4 5 1 3 5	05/17/88	Thomas et al.			
		4 7 4 0 3 6 7	04/26/88	Force et al.			
		4 7 3 4 4 5 5	03/29/88	Mobley et al.			
		4 7 0 1 4 7 5	10/20/87	Turner			
		4 6 9 6 8 4 9	09/29/87	Mobley et al.			
		4 6 8 7 7 8 8	08/18/87	Hillshafer et al.			
		4 6 8 6 2 4 2	08/11/87	Turner et al.			
		4 6 5 7 7 9 0	04/14/87	Wing et al.			

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER INITIAL		
		"Effect of Structure on Properties of Soy-Based Polyols and Polyurethanes," Zoran S. Petrovic, Andrew Guo, Ivan Javni, and Wei Zhang.

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		4	6	4	2	3	2	0	02/10/87	Turner et al.			
		4	6	1	1	0	4	4	09/09/86	Meyer et al.			
		4	5	9	5	4	3	6	06/17/86	Walker et al.			
		4	5	8	5	8	0	4	04/29/86	Lancaster et al.			
		4	5	3	0	9	4	1	07/23/85	Turner et al.			
		4	5	1	8	7	7	2	05/21/85	Volpenhein			
		4	5	1	5	6	4	6	05/07/85	Walker et al.			
		4	5	1	2	8	3	1	04/23/85	Tillotson			
		4	4	9	6	7	7	9	01/29/85	Myers et al.			
		4	4	9	6	7	7	8	01/29/85	Myers et al.			

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER INITIAL		
		"Renewable Raw Materials-An Important Basis for Urethane Chemistry," Urethane Technology, Vol. 14, No. 2, April/May 1997, Crain Communications 1997
		"Morphology of Water-Brown Flexible Polyurethane Foams," Armisted et al., Journal of Applied Polymer Science, Vol. 35, pp. 601-29, 1988

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPRO- PRIATE
	4 4 9 6 5 4 7	01/29/85	Kawashima et al.			
	4 4 8 3 8 9 4	11/20/84	Porter et al.			
	4 4 0 5 3 9 3	09/20/83	Tillotson			
	4 3 9 3 2 5 3	07/12/83	Michaelson et al.			
	4 3 9 0 7 3 9	06/28/83	Michaelson et al.			
	4 3 7 6 1 7 1	03/08/83	Blount			
	4 3 7 5 5 2 1	03/01/83	Arnold			
	4 3 5 4 8 1 0	10/19/82	Stidham			
	4 3 3 4 0 6 1	06/08/82	Bossier, III			
	4 3 1 4 0 8 8	02/02/82	Austin et al.			

FOREIGN PATENT DOCUMENTS

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						Y N

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER INITIAL	
	"Model/MDI/Butendiol Polyurethanes: Molecular Structure Morphology, Physical and Mechanical Properties," Christenson et al., Journal of Polymer Science; Part B: Polymer Physics, Vol. 24, pp. 1401-1439, 1986

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPRO- PRIATE
	4 2 9 6 1 5 9	10/20/81	Jenkin es et al.			
	4 2 8 6 0 0 3	08/25/81	Higgins et al.			
	4 2 7 8 4 8 2	07/14/81	Poteet et al.			
	4 2 4 6 3 6 3	01/20/81	Turner et al.			
	4 1 8 5 1 4 6	01/22/80	Burke			
	4 1 7 1 3 9 5	10/16/79	Tillotson			
	4 1 1 6 9 8 7	09/26/78	Deno			
	4 0 7 6 6 7 9	02/28/78	Turner`			
	4 0 4 5 4 9 8	08/30/77	Deno			
	4 0 2 2 9 4 1	05/10/77	Prokai et al.			

FOREIGN PATENT DOCUMENTS

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						Y N

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER INITIAL	
	"Chemoenzymatic Synthesis of Urethane Oil Based on Special Functional Group Oil Based on Special Functional Group Oil," M.D. Bhabhe and V.D. Athawate, Journal of Applied Polymer Sciene, Vol. 69, 1451-1458 (1998)

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	4 0 0 5 0 3 5	01/25/77	Deaver			
	3 9 9 1 1 2 6	11/09/76	Bacskai			
	3 9 8 5 8 1 4	10/12/76	Dougherty			
	3 9 6 3 6 9 9	06/15/76	Rizzi et al.			
	3 8 6 2 8 7 9	01/28/75	Barron et al.			
	3 8 4 6 4 7 8	11/05/74	Cummins			
	3 8 2 1 1 3 0	06/28/74	Barron et al.			
	3 7 7 8 2 0 5	12/11/73	Turner et al.			
	3 7 5 5 2 1 2	08/28/73	Dunlap et al.			
	3 6 3 9 3 1 2	02/01/72	Turner			

FOREIGN PATENT DOCUMENTS

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPRO- PRIATE
	3 5 7 6 9 2 9	04/27/71	Turner et al.			
	3 5 3 5 1 5 6	10/20/70	Turner			
	3 3 9 6 4 7 3	08/13/68	Turner			
	3 0 0 1 9 5 8	09/26/61	Schwarcman			
	2 8 3 3 7 3 0	05/06/58	Barthel			
	2 7 8 7 6 0 1	04/02/57	Detrick et al.			
	2 6 0 6 8 9 0	08/12/52	Polly et al.			
	2 5 6 9 2 0 6	09/25/51	Vogel			
	2 1 6 7 2 6 6	07/25/39	Kimball			
	1 4 4 7 9 5 4	03/06/23	Webster			

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	5 6 2 9 4 3 4	05/13/97	Cusumano et al.			
	5 6 2 7 2 2 1	05/06/97	Schumacher et al.			
	5 5 7 6 0 2 7	11/19/96	Friedman et al.			
	5 5 7 1 9 3 5	11/05/96	Sekula et al.			
	5 5 0 4 2 0 2	04/02/96	Hutchison			
	5 4 9 6 8 6 9	03/05/96	Williams et al.			
	5 4 9 1 2 2 6	02/13/96	Kenneally			
	5 4 9 1 1 7 4	02/13/96	Grier et al.			
	5 4 8 2 9 8 0	01/09/96	Pcolinsky			
	5 4 4 7 9 6 3	09/05/95	Pcolinsky et al.			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLA- TION
						Y N
	4 3 3 2 2 9 2	11/01	Germany			X
	3 7 0 2 6 1 5	11/00	Germany			X

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER INITIAL	
	Soybeans: Chemistry and Technology, Vol. 1, Allan K. Smith, Ph.D. and Sidney J. Circle, Ph.D.
	Rigid Plastics Foams, 2nd Edition, T.H. Ferrigno.

EXAMINER	DATE CONSIDERED
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	5 8 1 1 1 2 9	09/22/98	Friedman et al.			
	5 7 9 5 9 4 9	08/18/98	Daute et al.			
	5 7 6 7 2 5 7	06/16/98	Schafermeyer et al.			
	5 7 6 6 7 0 4	06/16/98	Allen et al.			
	5 7 5 6 1 9 5	05/26/98	Allen et al.			
	5 7 1 0 1 9 0	01/20/98	Jane et al.			
	5 6 9 8 7 2 2	12/16/97	Cusumano et al.			
	5 6 8 1 9 4 8	10/28/97	Miller et al.			
	5 6 4 8 4 8 3	07/15/97	Granberg et al.			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLA- TION
						Y N
	0 0 2 3 4 9 1	04/27/00	PCT			X
	0 0 1 5 6 8 4	03/23/00	PCT (Kurth)			X

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER INITIAL	
	Handbook of Chemistry and Physics, 1973-1974, Robert C. Weast, Ph.D.
	Encyclopedia of Food Technology, Vol. 2, 1974, p. 818-828, Arnold H. Johnson, Ph.D. and Martin S. Peterson, Ph.D.

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	6	1	7	4	5	0	1		01/16/01	Noureddini			
	6	1	0	7	4	3	3		08/22/00	Petrovic et al.			
	6	0	8	0	8	5	3		06/27/00	Corrigan et al.			
	6	0	1	5	4	4	0		01/18/00	Noureddini			
	5	9	4	5	5	2	9		08/31/99	Corrigan et al.			
	5	9	2	2	7	7	9		07/13/99	Hickey			
	5	9	0	8	7	0	1		06/01/99	Jennings et al.			
	5	9	0	0	4	9	6		05/04/99	Hou			
	5	8	6	9	5	4	6		02/09/99	Gruss et al.			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER								DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION	
													Y	N
		7	0	4	5	3	2		03/12/97	Australia				X
	9	7	0	7	1	5	0		02/27/97	PCT			Abstract	
	9	8	0	7	7	7	7		02/26/98	PCT			Abstract	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER INITIAL		
		Modern Plastics Encyclopedia, Vol. 45: No. 14A, pp 100-01, 113, 352, 354, 356, 358-360, October 1968.

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